

**ABSTRACT**

A system for analyzing samples having a portable analysis unit and a base unit. The portable analysis unit has a sample inlet, an analyzer, a reagent supply reservoir, a collection reservoir for waste, a reagent inlet for providing reagent to the supply reservoir, a waste outlet for removing waste from the collection reservoir, a supply conduit from the reagent supply reservoir to the analyzer, a waste conduit from the analyzer to the collection reservoir, a power source, a data output element, and a pressure source for moving reagent and waste. The base unit is connectable to the analyzer unit for providing reagent and receiving waste. The base unit has a reagent storage reservoir, a waste storage reservoir, a waste inlet for connection to the waste outlet; and an outlet for providing reagent from the reagent storage reservoir to the reagent inlet.